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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
TECH CENTER 1600/2900

Applicant : Zervos et al. Art Unit : 1655/1656
Serial No. : 09/245,549 Examiner : J. Tung
Filed : February 5, 1999
Title : IN VIVO CONSTRUCTION OF DNA LIBRARIES

BOX AF

Commissioner for Patents
Washington, D.C. 20231

**AMENDMENT AND RESPONSE TO FINAL OFFICE ACTION
PURSUANT TO 37 CFR §1.116**

This is in response to the final Office Action mailed January 30, 2001 (Paper No. 10).

Please amend the application as follows:

In the claims:

Please amend claims 1-3, 7-9, 11-18, 21, 23-27 as follows:

1. A method for constructing a DNA library *in vivo*, comprising:
providing a plurality of host cells;
providing a vector molecule having a first region and a second region;
providing a plurality of nucleic acid insert molecules, each of the plurality of nucleic acid insert molecules having a first common region which is homologous with said first region of the vector molecule, a second common region which is homologous with said second region of the vector molecule, and a library element encoding region disposed between said first common region and said second common region, wherein when the library element encoding region encodes a naturally occurring sequence, the first and second regions are not naturally found adjacent to the library element encoding region;
introducing the vector molecule into each host cell of the plurality of host cells;

CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the Commissioner for Patents, BOX AF, Washington, D.C. 20231.

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